

### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Tuesday, September 21, 2021 WELL WORK PLUGGING PERMIT Vertical Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE JACKSON CENTER, PA 16133

Re: Permit approval for 1338 47-047-01235-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

Operator's Well Number: 1338

Farm Name: CAPELS RESOURCES LTD.

James A. Marti

U.S. WELL NUMBER: 47-047-01235-00-00

Vertical Plugging Date Issued: 9/21/2021

## **PERMIT CONDITIONS**

47047012359

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

### **CONDITIONS**

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B Rev. 2/01

1) Date August 1	9	, 2021
2) Operator's		
Well No. 1338	3	
3) API Well No	0. 47-047	- 01235

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

	APPLICATION FOR A PERM	TIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liquid	d injection/ Waste disposal/
		derground storage) Deep/ ShallowX
	· · · · · · · · · · · · · · · · · · ·	
5)	Location: Elevation 2271 ft	Watershed Indian Creek
,	District Browns Creek	County McDowell Quadrangle Welch
6)	Well Operator Diversified Production LLC	7) Designated Agent Jeff Mast
0)	Address P.O. Box 6070	Address P.O. Box 6070
	Charleston, WV 25362	Charleston, WV 25362
	Onanoston, VV 20002	
200		0.51
8)	Oil and Gas Inspector to be notified	D. O. LIMAN Comicos
	Name Gary Kennedy	rano
	Address 66 Old Church Road	Address P.O. Box 40
	Pipestem, WV 25979	Hueysville, KY 41640-0040
	See Atta	ached  RECEIVED  Office of Oil and Gas  Office of Oil and Gas  Office of Oil and Gas  WV Department of  WV Department at Protection  Environmental Protection
work	fication must be given to the district of can commence.	il and gas inspector 24 hours before permitted  Date 4/24/21

#### PLUGGING PROGNOSIS

1338

West Virginia, McDowell County

API# 47-047-01235

Lat/Long: 37.4889379870479, -81.5585945359607

Nearest ER: Welch Community Hospital 454 McDowell St. Welch, WV 24801 304-436-8461

Completed by S.T. Updated 5/21/2020

### Casing Schedule

11 3/4" csg @ 21'

7" csg @ 1318' cemented to surface

4 ½" csg @ 3510' Perfs 2006'-2026', 2664'-2674', 3315'-3388' est. TOC @ 1800' TD 3550'

Completion: Frac

Ravencliff 2006'-2026'

■ Maxon 2664′-2674′

■ Big Lime 3315'-3388'

AUG 30 2021

WV Department of Environmental Protection

Fresh Water: 409', 1240'

Gas Shows: Ravencliff 2006'-2026', Maxon 2664'-2674', Big Lime 3315'-3388'

Coal: 372', 1240' Elevation: 2279'

- 1. Notify Inspector, Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.
- 2. Check and record pressures on csg.
- 3. Check TD w/ wireline
- 4. TIH w/ tbg to 3388'. Load well as needed w/ 6% bentonite gel. Pump 173' C1A cement plug from 3388'-3215' (Lime gas show).
- 5. TOOH w/ tbg to 3215'. Pump 6% bentonite gel 3215'-2674'.
- 6. TOOH w/ tbg to 2674'. Pump 110' C1A cement plug from 2674'-2564' (Maxon gas show).
- 7. TOOH w/ tbg to 2564'. Pump 6% bentonite gel 2564'-2279'.
- 8. TOOH w/ tbg to 2279'. Pump 100' C1A cement plug from 2279'-2179' (Elevation.)
- 9. TOOH w/ tbg to 2179'. Pump 6% bentonite gel 2179'-2026'.
- 10. TOOH w/ tbg to 2026'. Pump 120' C1A cement plug from 2026'-1906' (Ravencliff gas show.)
- 11. TOOH w/ tbg to 1906'. Pump 6% bentonite gel 1906'-1368'. TOOH LD tbg.
- 12. Free Point 4.5" csg. Cut and Pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed
- 13. TIH w/ tbg to 1368'. Pump 178' C1A cement plug from 1368'-1190' (7" csg seat and Coal).
- 14. TOOH w/ tbg to 1190'. Pump 6% bentonite gel 1190'-459'.
- 15. TOOH w/ tbg to 459'. Pump 137' C1A cement plug from 459'-322' (Fresh Water and coal).
- 16. TOOH w/ tbg to 322'. Pump 6% bentonite gel 322'-100'.
- 17. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-0' (Surface).
- 18. Erect monument with API#, date plugged, and company name.
- 19. Reclaim location and road to WV-DEP specifications.

NOV 0 4 1994

28-Jul-94 API # 47- 47-01235

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Permitting Office of Oil & Gas

Well Operator's Report of Well Work

RECEIVED Office of Oil and Gas

Farm name: CAPLES RESOURCES, INC. Operator Well No.: 1338 LOCATION:

AUG 3 0 2021

Elevation: 2,279.00 Quadrangle: WELCH District: BROWNS CREEK

District: BRÓWNS CREEK County: MCDOWELL WV Department of Latitude: 4100 Feet South of 37 Deg. 30Min. 0 Sec. Environmental Protection Longitude 5000 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: MERIDIAN EXPLORATION CORP 707 GRANT STREET SUITE 2800 PITTSBURGH, PA 15219-0000

Agent: JOHN O. KIZER (C T CORP)

Inspector: OFIE HELMICK Permit Issued: 07/26/91 Well work Commenced: 08/26/94
Well work Completed: 08/31/94 08/26/94 Verbal Plugging Verbai Fiugging
Permission granted on:
Rig Rotary x Cable Ri Total bepth (feet) 3550 Fresh water depths (ft) 409; 1240

Salt water depths (ft) Is coal being mined in area (Y/N)? N Coal Depths (ft):372-375; 1240-1246

Casing	Used in	Left	Cement
Tubing	Drilling	in Well	Fill Up  Cu. Ft.
Size			 !
11 3/4"	21'	21'_	
7'' 	1318'	1318'	  220 sks
4 1/2"	3510'	3510'	   175 sks 
·	<u>i</u>		   

OPEN FLOW DATA

Pay zone depth (ft)3382-3388 [tial open flow 0 Bbl/d Producing formation Producing formation

Dig Lime

Pay zone depth (ft Gas: Initial open flow

Final open flow

Time of open flow between initial and final tests Big Lime Static rock Pressure 400 psig (surface pressure) after

Second producing formation Maxton Pay zone depth (ft)2664-2674

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow Gas: Time of open flow between initial and final tests Static rock Pressure \_\_\_\_\_psig (surface pressure) after \_\_\_\_ Hours

NOTE: Third producing formation Ravencliff Pay zone depth (ft) 2022-2026 INTERVALS, FRACTURING OR STIMULATING. PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS,

For:	MERIDIAN EXPLORATION CORP.
	By: Jack C. J. C
	Date: 1/3/917

47-047-01235

Berwind #1338

STAGE FORMATION  1st Big Lime	PERFS  14 (3315' - 3388')	80/100 SKS	20/40 SKS	ACID GAL 4000	N2 (MCF) 150
	21 (2664' - 2674') 21 (2006' - 2026')		400 400	500 500	630 465

	WELL	LOG	
FORMATION	TOP	воттом	REMARKS: FRESH & SALT Office of Oil and Gas
KB - GL	0	10	Hole Damp @409'
sand, shale, RR	10	1995	Hole Damp (4409' AUG 3 0 2021
Ravencliff	1995	2041	Coal 1240'-1246'
sand, shale	2041	2100	Hole Damp @1240'
Avis Limestone	2100	2150	gas chk @ 1900' no show WV Department of
sand, shale	2150	2218	gas chk @ 2114' no showironmental Protection
Upper Maxton	2218	2275	8 Totacilon
sand, shale	2275	2589	
Middle Maxton	2589	2720	( e)(
sand, shale	2720	2931	gas chk @ 2767' 26/10 thru 1" w/water
Lower Maxton	2931	3060	Design the second of the second second to the second secon
sand, shale	3060	3130	gas chk @ 3081' 4/10 thru 1" w/water
Little Lime	3130	3184	
sand, shale	3184	3195	
Pencil Cave	3195	3244	gas chk @ 3266' 4/10 thru 1" w/water
sand, shale	3244	3251	gas chk @ 3545' 2/10 thru 1" w/water
Big Lime	3251	3545	Driller TD
		3549	Logger TD

Des

WW-4A Revised 6-07

1) Date:	August 19, 20	21		
2) Operato	r's Well Numb	er		
2) A DI Wali	No : 47 -	047	01235	

	STATE	OF WEST VIRG	INIA
DE	PARTMENT OF ENVIRONMENT	AL PROTECT	TION, OFFICE OF OIL AND GAS
	NOTICE OF APPLICATION	TO PLUG AN	ND ABANDON A WELL
4) Surface Own	er(s) to be served: 5) (a	a) Coal Operator	r
(a) Name	McDowell County Economic Development Authority	<u>/</u> Name	None
Address	92 McDowell Street, Suite 100	Address	
	Welch, WV 24801	- 10	
(b) Name		(b) Coal Ov	vner(s) with Declaration
Address		Name	Berwind Land Company
		Address	300 Summers Street, Suite 1050
		_	Charleston, WV 25301
(c) Name		Name	
Address		Address	
11441			
0) T	Con Vennedy	- (a) Coal La	ssee with Declaration
6) Inspector	Gary Kennedy 66 Old Church Lane	Name	
Address	Pipestem, WV 25979	- Address	No Declaration  OFFICE OF OFFICE OF AUG 3 A
m i I	304-382-8402	_ Address	Old and
Telephone	304-302-0402	-	4/6 2 988
TO THE PE	RSONS NAMED ABOVE: You	ı should have rec	cived this Form and the following documents:
			100- Dan-
(1) The a	application to Plug and Abandon a Well on F	orm WW-4B, which	h sets out the parties involved in the work and describes the
well i	ts and the plugging work order; and plat (surveyor's map) showing the well locatio	n on Form WW 6	h sets out the parties involved in the work and describes the
2.5			
The reason	you received these documents is that you have rigt ou are not required to take any action at all.	hts regarding the appl	ication which are summarized in the instructions on the reverses side.
Take notice	that under Chapter 22-6 of the West Virginia Code	e, the undersigned we	Il operator proposes to file or has filed this Notice and Application and
accompany	ing documents for a permit to plug and abandon a w	vell with the Chief of	the Office of Oil and Gas, West Virginia Department of Environmental tion and depicted on the attached Form WW-6. Copies of this Notice,
Protection,	with respect to the well at the location described on	or certified mail or d	lelivered by hand to the person(s) named above (or by publication in
certain circ	umstances) on or before the day of mailing or delive	ry to the Chief.	•
*****	5 4 5 5 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7		
OF WEST DO	NOTARY PUBLIC Well Operator	Diversified Production	on, LLC
STA	TE OF WEST VIRGINIA By:	4	Jelf Mast
F	hyllis A. Copley	Director Production	
	144 Willard Circle -lumicane, WV 25528 Address	P.O. Box 6070	
	eion Expires September 16, 2023	Charleston, WV 253	162
	Telephone	304-543-6988	
	relephone	001 010 0000	
~	1 0 11:	C	
Subscribed and	sworn before me this da	ay or	Notary Public
26.0	Time in a Contember to 2000		Notary rubite
My Commission	Expires September 16, 2023		
Oil and Gas Priva	ney Notice		

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffice wv.gov.



RECEIVED
Office of Oil and Gas

AUG 2.4 2021

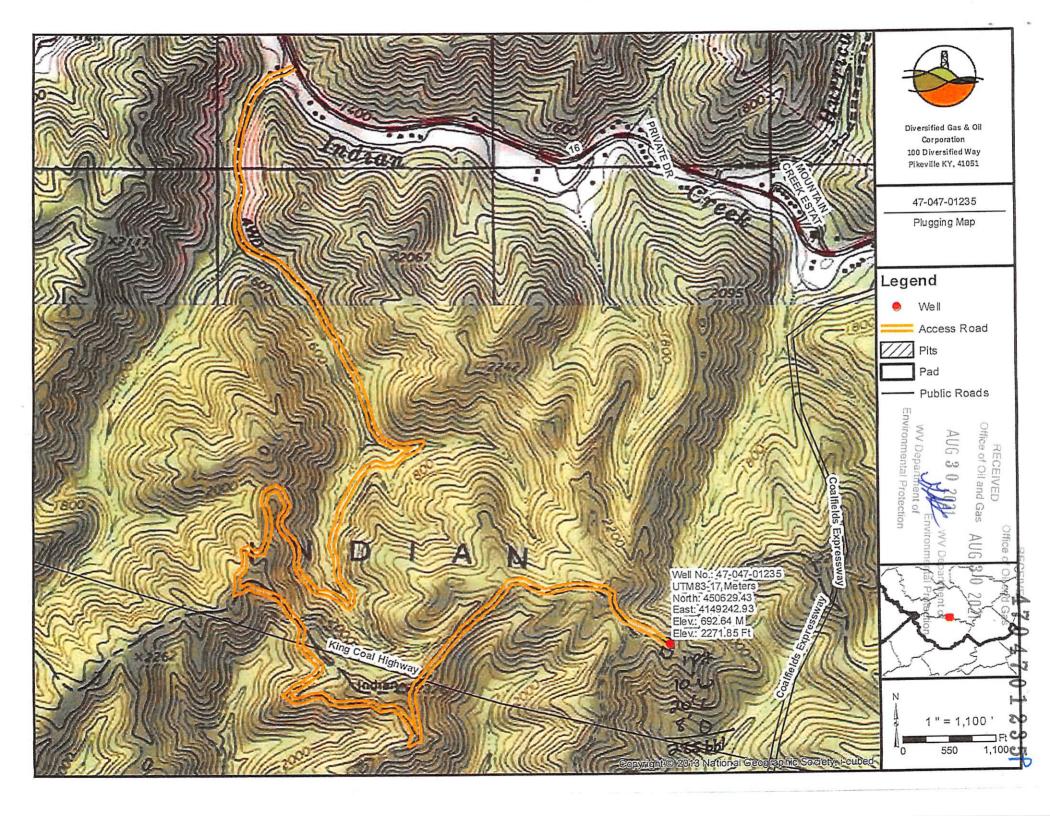
WV Department of Environmental Protection WW-9 (5/16)

API Number 47 - 047 Operator's Well No. 1338

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

OP Code 494524121 Operator Name Diversified Production LLC Quadrangle Welch Watershed (HUC 10) Indian Creek Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Will a pit be used? Yes ✓ If so, please describe anticipated pit waste: Produced fluid and cement returns If so, what ml.? 20 Will a synthetic liner be used in the pit? Yes Proposed Disposal Method For Treated Pit Wastes: Land Application (if selected provide a completed form WW-9-GPP) Underground Injection (UIC Permit Number 2D 04701511002 Mod Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain Will closed loop system be used? If so, describe: \_\_ Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. -If oil based, what type? Synthetic, petroleum, etc. Additives to be used in drilling medium? Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. -If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) -Landfill or offsite name/permit number? Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. STATE OF WEST VIRGINIA Phyllis A. Copley 144 Willard Circle Company Official Signature Hurricane, WV 25528 Company Official (Typed Name) Jeff Mast My Commission Expires September 16, 2023 **Director Production** Company Official Title Subscribed and sworn before me this \_\_\_\_\_\_ day of \_\_\_\_\_\_ Notary Public My commission expires September 16, 2023

Proposed Revegetation Treat	ment: Acres Disturbed 1	1 +/- Preveg etation p	Н
Lime 3	Tons/acre or to correc	et to pH 6.5	
Fertilizer type	0-20 or equivalent		
Mulch 2		_Tons/acre	
		Seed Mixtures	
Te	emporary	Perma	anent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alside Clover	5
Annual Rye	15		
Photocopied section of invo	lved 7.5' topographic sheet.	Environn	Oepartment of
Plan Approved by:	- H	y Kunnel	
Comments:			
,			
Title: Zuspertos	···	Date: \$\74\71	
Field Reviewed? (			



WW-7 8-30-06



## West Virginia Department of Environmental Protection Office of Oil and Gas

## 

the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: of Oil and Gas height above mean sea level (MSL) – meters.

2. Accuracy to Datum – 3.05 meters

3. Data Collection Method:
Survey grade GPS 2271: Post Processed Differential \_\_\_\_\_\_

Real-Time Differential \_\_\_\_\_

Mapping Grade GPS X \_: Post Processed Differential \_\_\_\_\_

Real-Time Differential \_\_\_\_\_

4. Letter size copy of the topography map showing the well location. I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Director Production 08/19/2021
Title Date



### Stansberry, Wade A <wade.a.stansberry@wv.gov>

### Plugging Vertical Well Work Permit (API: 47-047-01235)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Wed, Sep 22, 2021 at 8:14 AM

To: "Mast, Jeff" <jmast@dgoc.com>, "Kennedy, Gary L" <gary.l.kennedy@wv.gov>, arbailey@assessor.state.wv.us

I have attached a copy of the newly issued well permit number "1338", API (47-047-01235). This will serve as your copy.

If you have any questions, then please contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

**Environmental Resource Specialist 3** 

**West Virginia Department of Environmental Protection** 

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

### 2 attachments

